



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT -- NO FEE

In Re: Application of
CRAIG N. HANSEN and
LONNIE J. HELGESON

Serial No.: 10/646,357

Filed: August 22, 2003

For: RESPIRATORY VEST

Case Docket No.: E100.12.12

Group Art Unit 3764

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the patents and publications listed on the enclosed PTO Form 1449 be fully considered by the Examiner in the examination of this application.

Applicants do not represent that these patents and publications are a complete state of the prior art. The enclosed patents and publications are not intended to replace the Examiner's search. It is respectfully submitted that the Examiner proceed with an independent and complete search of the prior art in the examination of this application.

Respectfully submitted,

CRAIG N. HANSEN and LONNIE J. HELGESON

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on APRIL 6, 2004.

(Date of Deposit)

RICHARD JOHN BARTZ
Name of applicant, assignee, or Registered Rep.

R. John Bartz
Signature

APRIL 6, 2004
Date of Signature

By

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FORM PTO-141 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		E100.12.12	10/646,357
		APPLICANT Craig N. Hansen and Lonnie J. Helgeson	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		FILING DATE	GROUP
		August 22, 2003	3764

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	Des. 379,396	05/20/1997	Pongo et al			
	AB	Des. 456,591	05/07/2002	Hansen			
	AC	Des. 461,397	08/20/2002	Hansen et al			
	AD	Des. 469,876	02/04/2003	Hansen et al			
	AE	2,223,570	12/03/1940	McMillin			
	AF	2,354,397	07/25/1944	Miller			
	AG	2,588,192	03/04/1952	Akerman et al			
	AH	2,707,948	05/10/1955	Emerson			
	AI	2,762,366	09/11/1956	Huxley III et al			
	AJ	2,779,329	01/29/1957	Huxley III et al			
	AK	2,780,222	02/05/1957	Polzin et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	1,225,889	09/1987	Canada				
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	"Chronic bronchial asthma and emphysema," Geriatrics, June 1996, pp. 139-153
	AS	"Enhanced Tracheal Mucus Clearance with High Frequency Chest Wall Compression," Respiratory Disease, Sept. 1983, pp. 511-515
	AT	"Peripheral mucociliary clearance with high-frequency chest wall compression," Journal of Applied Physiology, April 1985, pp.

EXAMINER DATE CONSIDERED 1157-1163

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. E100.12.12	SERIAL NO. 10/646.357
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2,869,537	01/20/1959	Chu			
	AB	2,899,955	08/18/1959	Huxley III et al			
	AC	3,043,292	07/10/1962	Mendelson			
	AD	3,063,444	11/13/1962	Jobst			
	AE	3,078,842	02/26/1963	Gray			
	AF	3,120,228	02/04/1964	Huxley III			
	AG	3,179,106	04/20/1965	Meredith			
	AH	3,310,050	03/21/1967	Goldfarb			
	AI	3,545,017	12/08/1970	Cohn			
	AJ	3,566,862	03/02/1971	Schuh			
	AK	3,577,977	05/11/1971	Ritzinger Jr et al			

FOREIGN PATENT DOCUMENTS

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							YES	NO
	AL							
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	AN							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	"Tracheal mucus clearance in high-frequency oscillation: effect of peak flow rate bias," The European Respiratory Journal,
	AS	January 1990, pp. 6-13
	AT	"High-frequency Chest Compression System to Aid in Clearance of Mucus from the Lung," Biomedical Instrumentation & Technology,

EXAMINER	DATE CONSIDERED July 1990, pp. 289-294.
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FORM PTO-1449 (REV. 7-00)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. E100.12.12		SERIAL NO. 10/646,357	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA		3,633,655	03/15/1972	White et al			
AB		3,760,801	09/25/1973	Borgeas			
AC		3,993,053	11/23/1976	Grossan			
AD		4,004,579	01/25/1977	Dedo			
AE		4,120,297	10/17/1978	Rabischong et al			
AF		4,135,503	01/23/1979	Romano			
AG		4,178,922	12/18/1979	Curlee			
AH		4,186,732	02/05/1980	Christoffel			
AI		4,375,217	03/01/1983	Arkans			
AJ		4,402,312	09/06/1983	Villari et al			
AK		4,424,806	01/10/1984	Newman et al			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	"Preliminary Evaluation of High-Frequency Chest Compression for Secretion Clearance in Mechanically Ventilated Patients,"					
	AS						
	AT	Respiratory Care, October 1993, pp. 1081-1097.					
		"Artificial Ventilation," Technion Institute of Technology Faculty of Medicine, date unknown.					
EXAMINER				DATE CONSIDERED			
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FORM PTO-1449 (REV. 7-01)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. E100.12.12		SERIAL NO. 10/646,357	
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA	4,523,579	06/18/1985	Barry				
AB	4,577,626	03/25/1996	Marukawa et al				
AC	4,590,925	05/27/1986	Dillon				
AD	4,621,621	11/11/1986	Marsalis				
AE	4,637,074	01/20/1987	Taheri				
AF	4,676,232	06/30/1987	Olsson et al				
AG	4,682,588	07/28/1987	Curlee				
AH	4,815,452	03/28/1989	Hayek				
AI	4,838,263	06/13/1989	Warwick et al				
AJ	4,840,167	06/20/1989	Olsson et al				
AK	4,928,674	05/29/1990	Halperin et al				
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AA	4,930,498	06/05/1990	Hayek			
AB	4,952,095	08/23/1990	Walters			
AC	4,977,889	12/18/1990	Budd			
AD	5,007,412	04/16/1991	DeWall			
AE	5,055,052	10/08/1991	Johnsen			
AF	5,056,505	10/15/1991	Warwick et al			
AG	5,222,478	06/29/1993	Scarberry et al			
AH	5,235,967	08/17/1993	Arbisi et al			
AI	5,245,990	09/21/1993	Bertinin			
AJ	5,370,603	12/06/1994	Newman			
AK	5,453,081	09/26/1995	Hansen			

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	AA	5,499,820	02/13/1996	Schock et al			
	AB	5,494,469	02/27/1996	Heath et al			
	AC	5,569,170	10/29/1996	Hansen			
	AD	5,674,269	10/07/1997	Augustine			
	AE	5,769,797	06/23/1998	Van Brunt et al			
	AF	5,769,800	06/23/1998	Gelfand et al			
	AG	5,938,627	08/17/1999	Hickman			
	AH	6,036,662	03/14/2000	Van Brunt et al			
	AI	6,155,996	12/05/2000	Van Brunt et al			
	AJ	6,254,556	07/03/2001	Hansen et al			
	AK	6,379,316	04/30/2002	Van Brunt et al			
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	AA	6,471,663	10/29/2002	Van Brunt et al			
	AB	6,488,641	12/03/2002	Hansen			
	AC	6,547,749	04/15/2003	Hansen			
	AD	6,605,050	08/12/2003	Hansen			
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